#### UTAH OIL AND GAS CONSERVATION COMMISSION WELL LOG **ELECTRIC LOGS** FILE WATER SANDS LOCATION INSPECTED SUB. REPORT/abd. REMARKS DATE FILED 6/13/90 PUBLIC LEASE NO. U-16535 LAND: FEE & PATENTED STATE LEASE NO INDIAN DRILLING APPROVED: 6/21/90 SPUDDED IN: COMPLETED: PUT TO PRODUCING: INITIAL PRODUCTION: GRAVITY A.P.I. GOR: PRODUCING ZONES: TOTAL DEPTH: WELL ELEVATION: E. Frective 9-16-92 DATE ABANDONED FIELD: MONUMENT\_RITTE UNIT: MONUMENT BUTTE COUNTY: DUCHESNE WELL NO. API NO. 43-013-31279 MONUMENT FEDERAL 10-34 FT. FROM (E) (W) LINE. FT. FROM (N) (S) LINE, 1/4 - 1/4 SEC. 34 LOCATION 1980' FSL 1980' FRL NW SE SEC **OPERATOR** RGE. SEC. **OPERATOR** TWP. RGE. TWP

88

16E

LOMAX EXPLORATION CO.





DIVISION OF MINING

Bureau of Land Management 170 South 500 East Vernal, Utah 84078 Attention: Ed Forsman

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
Attention: Don Jarvis

Monument Federal #10-34 NW/SE Section 34, T8S, R16E Monument Butte (Green River "D") Unit Duchesne County, Utah

#### Gentlemen:

Please find enclosed a "Notice of Staking" for the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

Brad Mecham

Regional Production Manager

BM/ln

Enclosure

NOTICE OF STAKING Not to be used in place of Applica 3160-3)	6. Lease Number U-16535			
1. Oil Well X Gas Well _	7. If Indian, Allottee or Tribe Name			
2. Name of Operator: LOMAX EXPLORATION COMPANY	8. Unit Agreement Name  Monument Butte (Green River "D") Unit			
3. Name of Specific Contact Personant Mecham	9. Farm or Lease Name Monument Federal			
4. Address & Phone No. of Operation P.O. Box 1446, W. Poleline R (801) 722-5103	10. Well No. #10-34			
5. Surface Location of Well 1980 FSL 1980 FEL NW/SE		11. Field or Wildcat Name  Monument Butte		
Attach:  a) Sketch showing road of pad dimensions, and robby Topographical or othe showing location, acceptoundaries.	12. Sec., T., R., M., or B and Survey or Area Section 34, T8S, R16E	lk		
15. Formation Objective(s)  Green River	16. Estimated Well Depth	13. County, Parish, or Borough  Duchesne  14. State  Utah		
17. Additional Information (as apple telephone number)  LOMAX EXPLOR P.O. Box 12 Roosevelt, (801) 722-1	446, W. Poleline Rd. UT 84066	ce owner's name, address	and, if known	

18. Signed\_

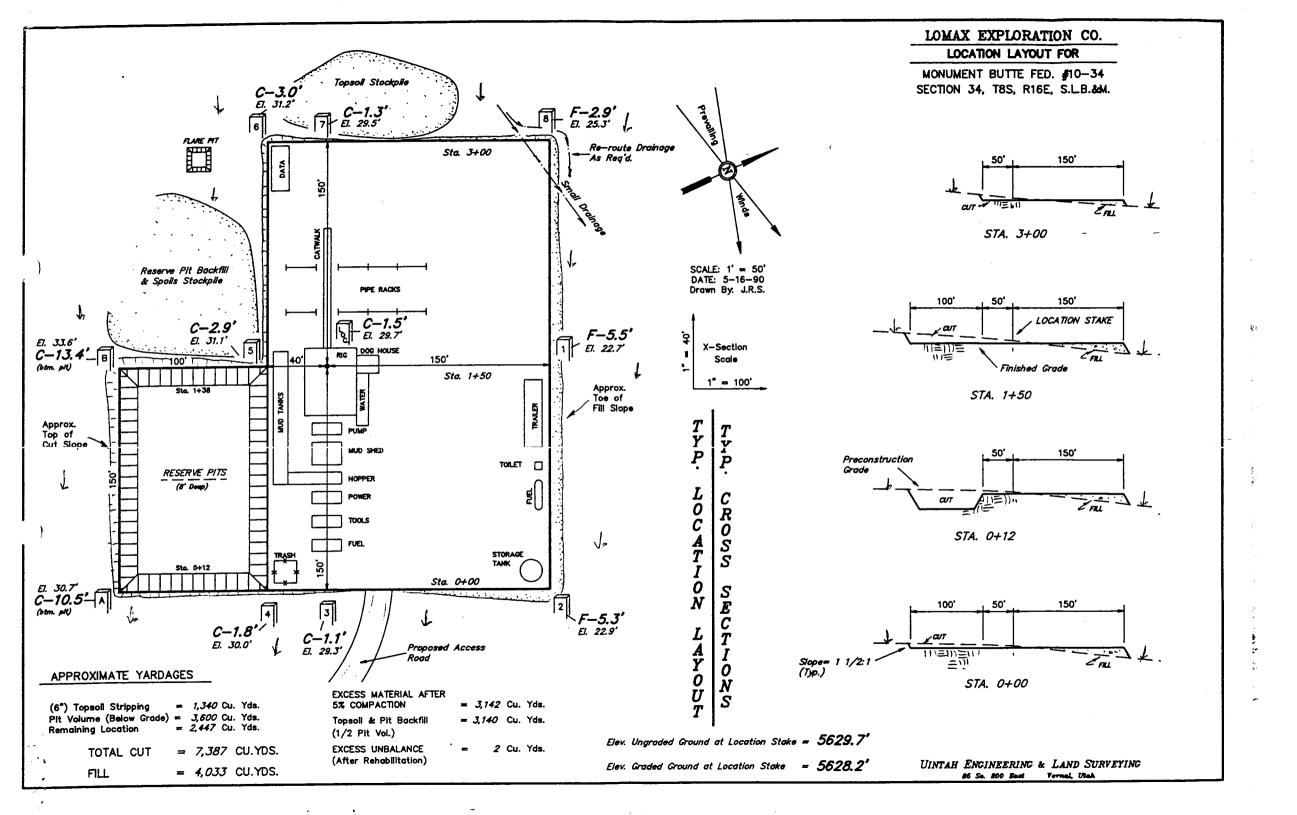
TitleRegional Prod. Mgr. Date 5/22/90

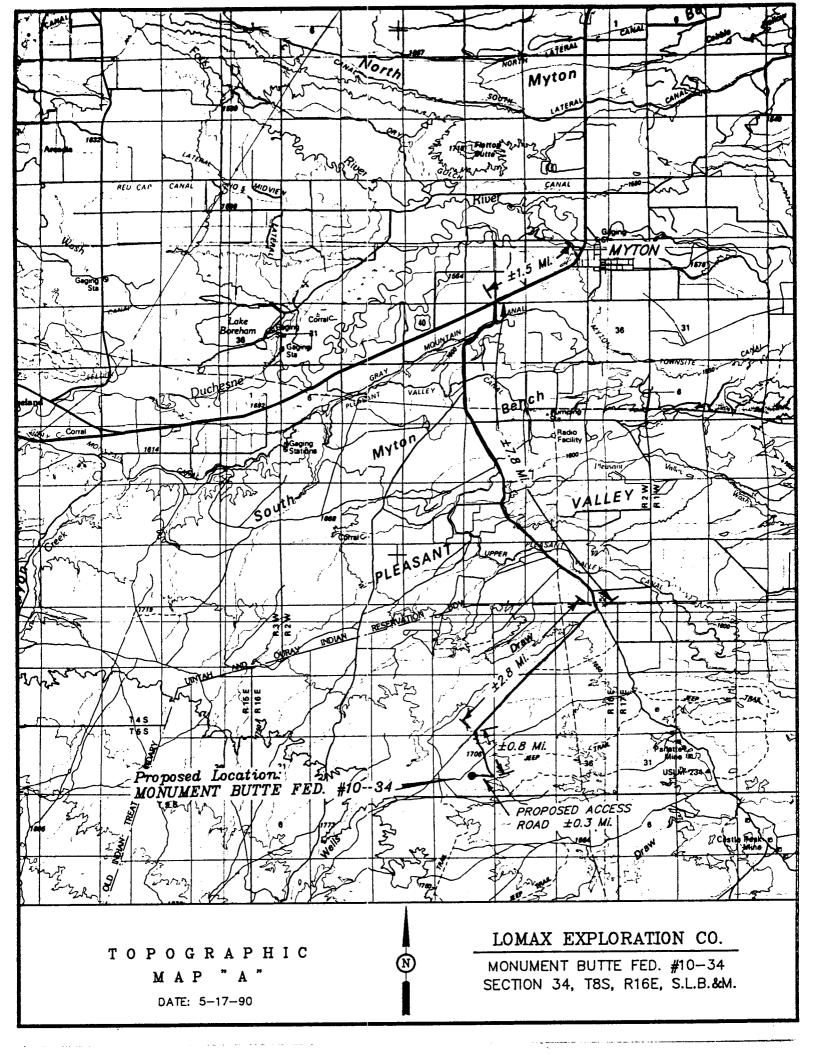
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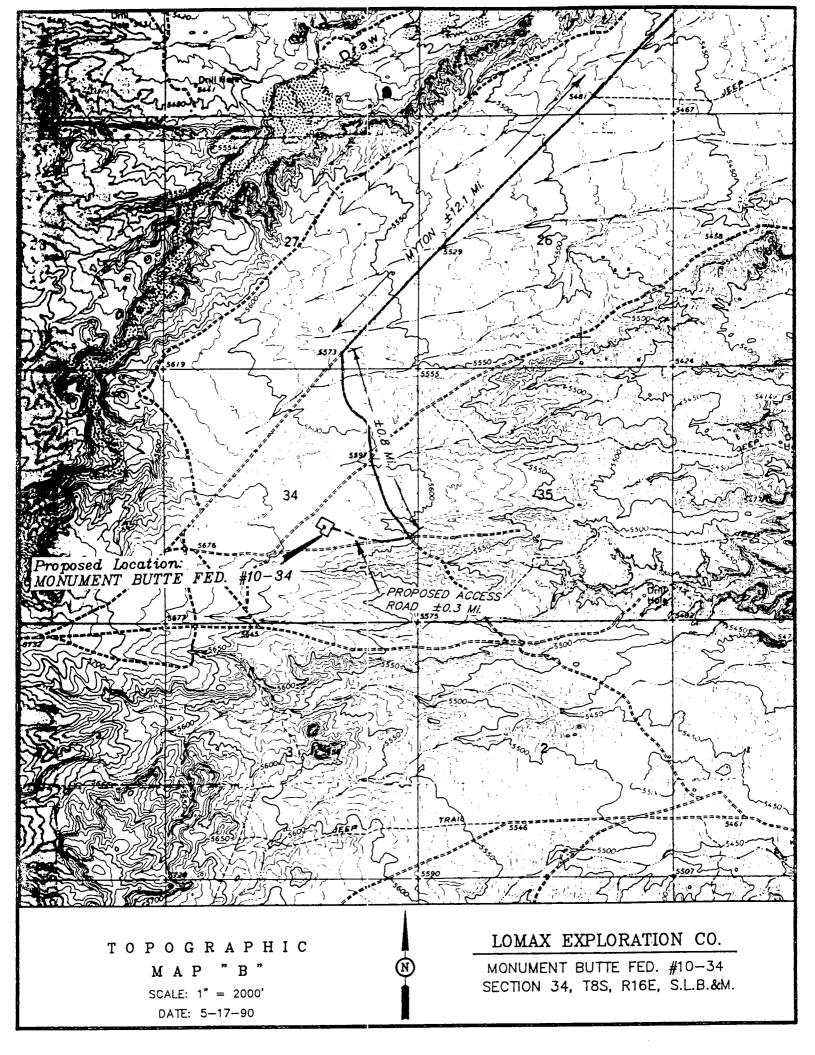
Upon receipt of this Notice, the Bureau of Land Management (BLM) will schedule the date of the onsite predrill inspection and notify you accordingly. The location must be staked and access road must be flagged prior to the onsite.

Operators must consider the following prior to the onsite:

- a) H₂S Potential
- b) Cultural Resources (Archeology)
- c) Federal Right of Way or Special Use Permit







NOTICE OF STAKING Not to be used in place of Applica 3160-3)	6. Lease Number v-16535	,		
1. Oil Well X Gas Well _	7. If Indian, Allottee or Tr	7. If Indian, Allottee or Tribe Name		
2. Name of Operator: LOMAX EXPLORATION COMPANY	Monument Butte (Green F	8. Unit Agreement Name  Monument Butte (Green River "D") Unit		
3. Name of Specific Contact Personal Mechanian	9. Farm or Lease Name Monument Federal			
4. Address & Phone No. of Opera P.O. Box 1446, W. Poleline R (801) 722-5103	10. Well No. #10-34			
5. Surface Location of Well 1980 FSL 1980 FEL NW/SE		11. Field or Wildcat Name  Monument Butte		
Attach:  a) Sketch showing road pad dimensions, and response to the showing location, acceptodates.	12. Sec., T., R., M., or B and Survey or Area Section 34, T85, R16E	lk		
15. Formation Objective(s)  Green River	16. Estimated Well Depth	14. State Utah		
17. Additional Information (as ap telephone number)  LOMAX EXPLOR P.O. Box 1. Roosevelt, (801) 722-	446, W. Poleline Rd. UT 84066	ce owner's name, address	and, if known,	

18. Signed\_

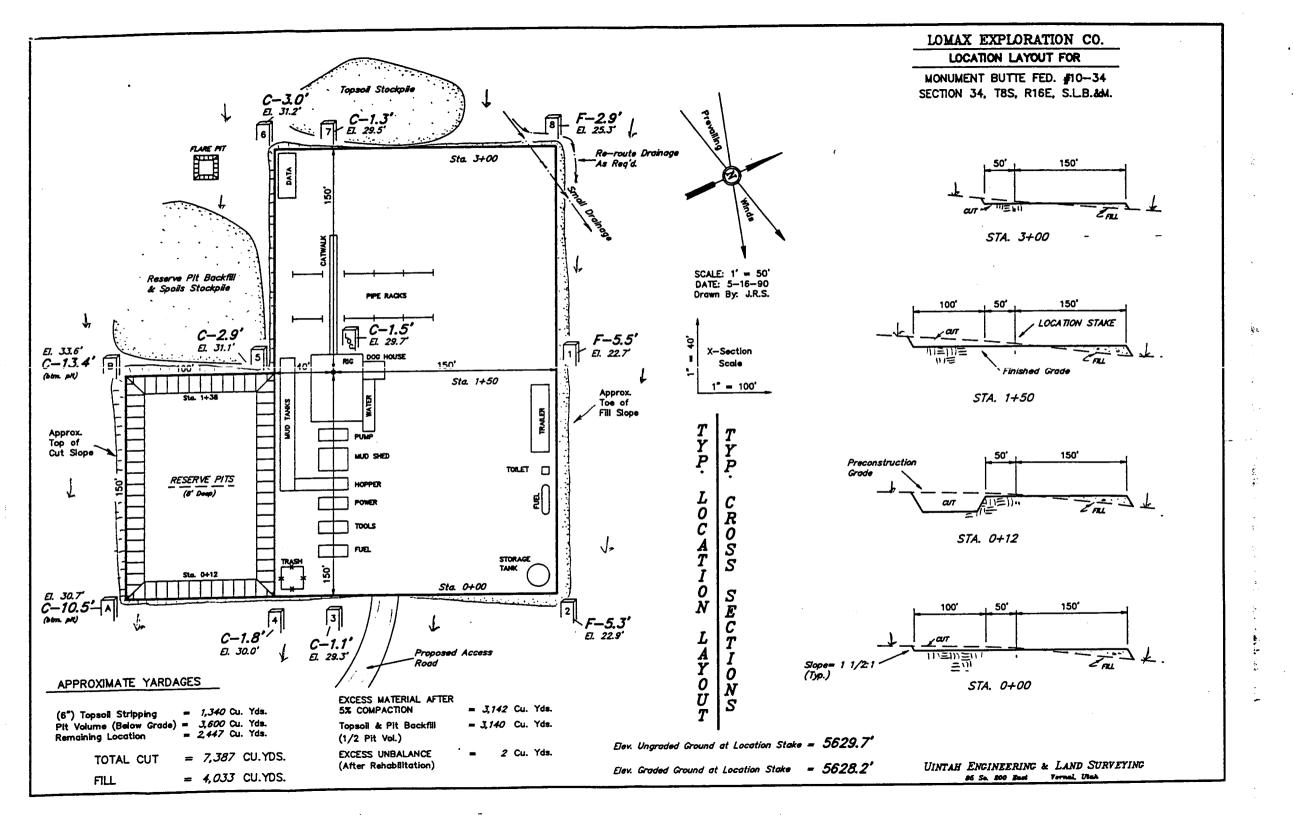
TitleRegional Prod. Mgr. Date 5/22/90

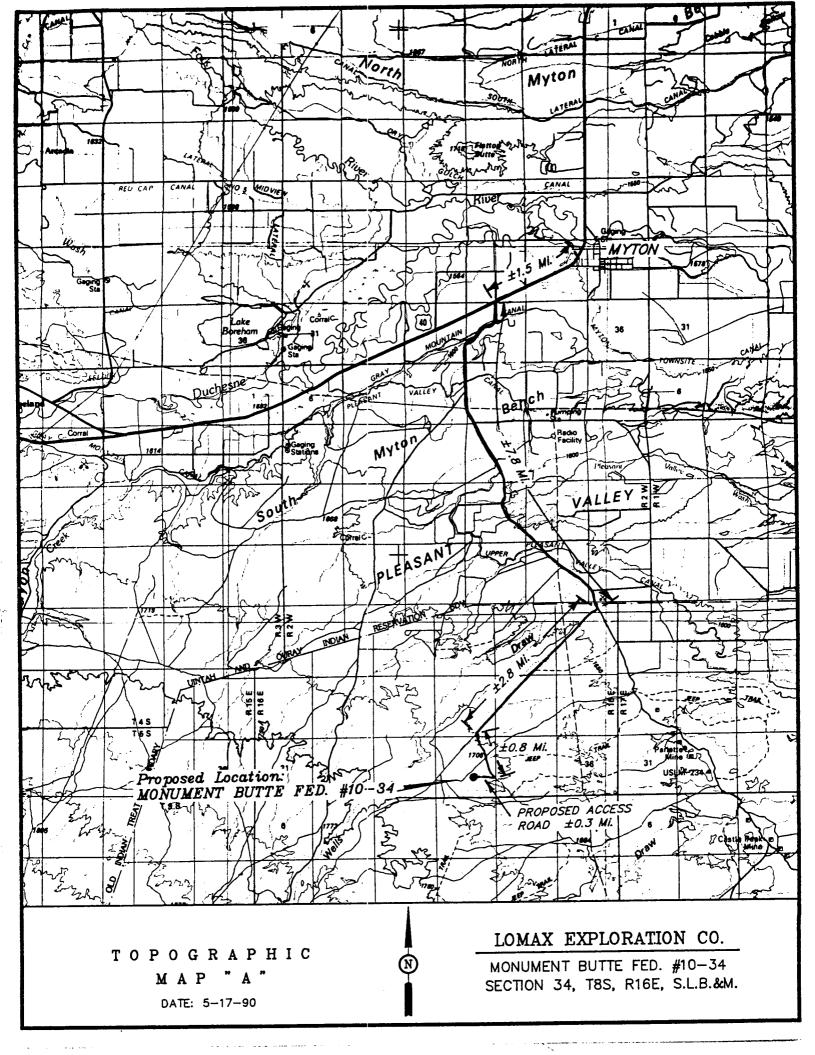
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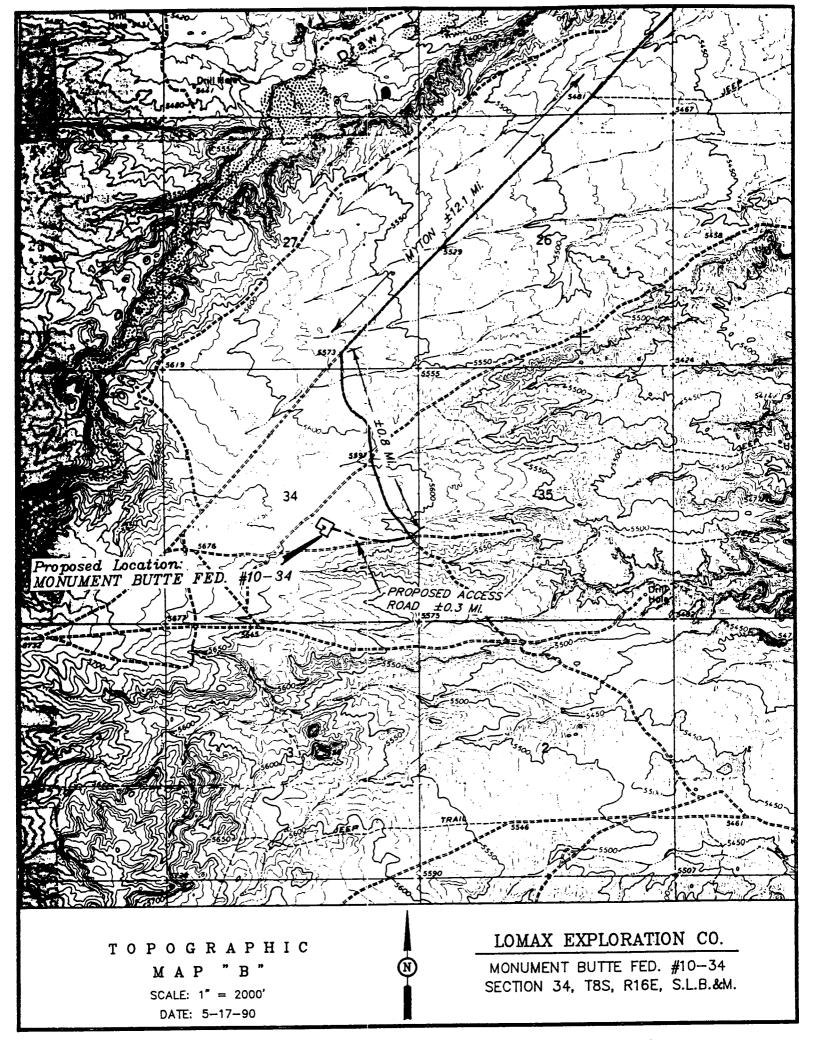
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June 11, 1990

DIVISION OF UIL, GAS & MINING

Bureau of Land Management 170 South 500 East Vernal, Utah 84078 Attention: Ed Forsman

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
Attention: Don Jarvis

Monument Butte Federal #10-34 NW/SE Section 34, T8S, R16E Duchesne County, Utah

#### Gentlemen:

Please find enclosed the "Application for Permit to Drill" for the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

Brad Mecham

Regional Production Manager

BM/ln

**Enclosures** 

Form 3160-3 (November 1983) (formerly 9-331C) SUBMIT IN TRIP ATE. (Other instructions on reverse side)

Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

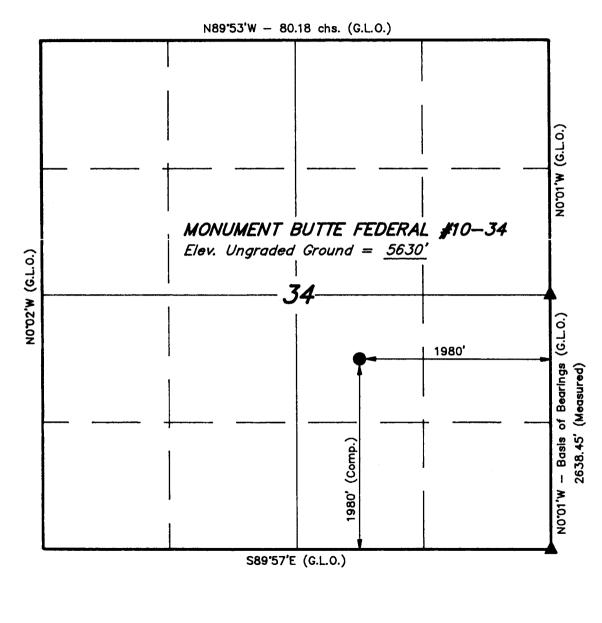
# UNITED STATES DEPARTMENT OF THE INTERIOR

J.	CHASE	DESIGNATION	ARD	GERTAL	AU
	TT-	16535			

	BUREAU OF	LAND MANA	SEMEN	IT		U-16535
APPLICATIO	APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				BACK	6. IF INDIAN, ALLOTTER OR TRIBE NAME
b. TYPE OF WORK  b. TYPE OF WELL  oil X	ILL XX	DEEPEN (	7. UNIT AGREEMENT NAME  Monument Butte (Green River  8. FARM OR LEASE NAME  Monument Federal			
2. NAME OF OPERATOR TOMAY FYDI	ORATION COMPANY			JUN 13 1990		9. WELL NO.
OF OPPRISOR				DIVISION OF		#10-34
P.O. Box 1	446, Roosevelt,	Utah 8406	6 <i>UI</i>	L. GAS & MINING		10. FIELD AND POOL, OR WILDCAT
At surface				tre iednicemeentige		Monument Butte  11. sec., T., R., M., OR BLE. AND SURVEY OR AREA
At proposed prod. 20	ne 1980 FSL 198	O FEL NW/S	E			Section 34, T8S, R16E
14. DISTANCE IN MILES	AND DIRECTION FROM NE	AREST TOWN OR POS	T OFFICE	F+		12. COUNTY OR PARISH 13. STATE
14 miles s	outh of Myton,	Utah			1 17 10	Duchesne Utah
15. DISTANCE FROM PROF	OSED*		16. NO	). OF ACRES IN LEASE		HIS WELL
PROPERTY OR LEASE (Also to nearest dr)	g, unit line, if any) $\perp$	980 <b>'</b>		280		BY OR CABLE TOOLS
OR APPLIED FOR, ON TH	HIS LEASE, FT.	1320'		000' GRR√	Rot	
21. ELEVATIONS (Show will 5628.2 GR	nether DF, RT, GR, etc.)					July, 1990
23.		PROPOSED CASI	NG ANI	CEMENTING PROGI	RAM	
	SIZE OF CASING	WEIGHT PER F		SETTING DEPTH	<u> </u>	QUANTITY OF CEMENT
SIZE OF HOLE	8-5/8"	24#		300'	To s	urface
12-1/4" 7-7/8"	5-1/2"	17#		TD		equired
zone. If proposal is to preventer program, if a	drill or deepen direction	? proposal is to dee nally, give pertinen	epen or i	plug back, give data on on subsurface locations	present prod and measure	DRN 9-AJF  2. JRB GLH  DTS SLS  1-TAS  3-TAS  6- MICROFILM  7- FILE  Incitive sone and proposed new productive and true vertical depths. Give blowout
SIGNED Brad Me	Meelm	TI	rus Re	egional Prod. N	lanager	DATS _6/5/90
(This space for Fed		9		APPROVAL DATE	OF U	OVED BY THE STATE
APPROVED BY	OVAL, IF ANY:	TI	IT LB		PLATE:	GASPAND MINING 6-21-90

\*See Instructions On Reverse Side WFLL SPACING:

## T8S, R16E, S.L.B.&M.



▲ = SECTION CORNERS LOCATED. (BRASS CAPS)

## LOMAX EXPLORATION CO.

Well location, MONUMENT BUTTE FEDERAL #10-34, located as shown in the NW 1/4 SE 1/4 of Section 34, T8S, R16E, S.L.B.&M. Duchesne County, Utah.

#### BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 34, T8S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5575 FEET.



THIS IS TO CERTIFY THAT THE APONE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SUBJECTS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIFF. DO SERVED.

REGISTERED LAND SURVEYOR.
REGISTRATION NO. 5709
STARE OF PUTANT

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

SCALE	DATE
1" = 1000'	5-16-90
PARTY	REFERENCES
G.S. J.F. J.R.S.	G.L.O. PLAT
WEATHER	FILE
WARM	LOMAX EXPLORATION CO.

1. Self-certification statement. Under the Federal regulations in effect as of June 15, 1988, designation of operator forms are no longer required when the operator is not the 100% record title holder. An operator is now required to submit a self-certification statement to the appropriate Bureau office stating that said operator has the right to operate upon the leasehold premises. Said notification may be in the following format:

"Please be advised that <u>LOMAX EXPLORATION</u> is considered to be the
operator of Well No. $10-34$ ; NW 1/4 SE 1/4 Section 34,
Township 8S, Range 16E; Lease Monument Butte U-16535;
<u>Duchesne</u> County, <u>Utah</u> ; and is responsible under the
terms and conditions of the lease for the operations conducted upon the
leased lands. Bond coverage is provided by Hartford Accident #4488944

#### TEN POINT WELL PROGRAM

# LOMAX EXPLORATION MONUMENT BUTTE FEDERAL #10-34 NW/SE Section 34, T8S, R16E <u>Duchesne County, Utah</u>

## 1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

## 2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

 Uinta
 0 - 3030

 Green River
 3030

 Wasatch
 6070

## 3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River

5570 - Oil

#### 4. PROPOSED CASING PROGRAM

8 5/8", J-55, 24# w/ST&C collars; set at 300#
5 1/2", J-55, 17# w/LT&C collars; set at TD

## 5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows:

A 10" Series 900 Hydirl Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Pressure test of BOP's will be checked daily. (See Exhibit E)

## 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the "J" zone and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

#### MONUMENT BUTTE FEDERAL #10-34

#### 7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve will drill pipe threads.

#### 8. TESTING, LOGGING AND CORING PROGRAMS:

No drill stem testing has been scheduled for this well. It is anticipated that some coring will be done. The logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density.

#### 9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H2S gas will be encountered in this area.

## 10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operations will commence approximately July 1990.

#### THIRTEEN POINT SURFACE USE PROGRAM:

## Multipoint Requirements to Accompany APD

#### 1. EXISTING ROADS

See attached Topographic Map Exhibit "D-1".

To reach LOMAX EXPLORATION COMPANY well location site Monument Butte Federal #10-34 located in the NW 1/4 SE 1/4 Sec. 34, T8S, R16E, S.L.B.& M, Duchesne County Utah:

Proceed Westerly out of Myton, Utah along Highway 40 - 1.5 miles ± to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 intersecting with Utah State Highway 216 for 7.8 miles to its junction with an existing dirt road to the southwest; proceed southwesterly along this road 2.8 miles to its junction with an existing dirt road to the southeast; proceed southeasterly along this road 0.8 miles to the beginning of the proposed access road to be discussed in Item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravels. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oilfield service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads required for access during the drilling, completion and production phase will be maintained at the standards required by the B.L.M., or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

#### 2. PLANNED ACCESS ROAD

See Topographic Map Exhibit "D-2".

The planned access road leaves the existing location described in Item #1 in the NE 1/4 SE 1/4 Section 34, T8S, R16E, S.L.B.& M.,

and proceeds in a westerly direction approximately 1500'  $\pm$  to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. Back slopes along the cut areas of the road will be 1 to 1 1/2 slopes and terraced.

There will be no culverts required along this access road. There will be no turnouts required along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

## 3. LOCATION OF EXISTING WELLS.

There are six producing and three injection LOMAX EXPLORATION wells, one producing ENSERCH well and five producing PG&E wells within a one mile radius of this location site. (See Topographic Map Exhibit "B")

## 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

If a tank battery is constructed on this lease, the battery or the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery. The integrity of the dike will be maintained.

Tank batteries will be placed on a per Sundry Notice if the well is successfully completed and placed on production.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted with <a href="Desert Brown #10YR6-3">Desert Brown #10YR6-3</a>.

## 5. LOCATION AND TYPE OF WATER SUPPLY

At the present time, it is anticipated that the water for this well be hauled by truck from our fresh water supply line located

at the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E) location as indicated on Topographic Map Exhibit "C".

In the event this water source is not used an alternate source will be used and all the necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this site.

#### 6. SOURCE OF CONSTRUCTION MATERIALS

See Location Layout Sheet--Exhibit "A"

All construction material for this location shall be borrow material accumulated during construction of the location site and access road. (Pit lining material is referred to in Item #7.)

A mineral material application is not required for this location.

#### 7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet. Exhibit "A"

A reserve pit will be constructed or a closed system may be used to be determined by the BLM and Lomax Exploration.

Construction specifications of the reserve pit will be determined by the BLM and Lomax prior to construction.

To protect the environment without a chemical analysis, the pits will be constructed so as not to leak, break or allow discharge of liquids.

Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period and application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval.

A portable toilet will be provided for human waste.

## 8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

#### 9. WELL SITE LAYOUT

See attached Location Layout Sheet. Exhibit "A"

All pits will be fenced according to the following minimum standards:

- a) 39 inch net wire shall be used with at least one strand of barbed wire on top of the net
- b) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- b) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed. Pits will be fenced and maintained until clean-up.

Well Site Layout: The reserve pit will be located on the south side.

The stockpiled topsoil will be stored on the west side near stake #7.

Access to the well pad will be from the east side between stakes #2 and #3.

## 10. PLANS FOR RESTORATION OF SURFACE

Immediately upon well completion, the location and surrounding area will be cleared of all debris, material, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc., will be removed. The reserve pit and that portion of the

location and access road not needed for production facilities/operations will be reclaimed. The reserve pit will be reclaimed within 90 days from the date of well completion.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface. Seed will be broadcast or drilled at a time specified by the B.L.M.. If broadcast. a harrow or some other implement will be dragged over the seeded area to assure seed coverage and the seed mixture will be proportionately larger (double the pounds per acre).

An appropriate seed mixture will be applied as determined by the B.L.M. either as part of the Conditions of Approval of the APD or at the time restoration activities are scheduled to begin.

All seeding will be done from September 15th until the ground freezes or in the Spring until April 15th.

At such time as the well is plugged and abandoned LOMAX EXPLORATION will submit a surface reclamation plan to the Surface Management Agency for prescribed seed mixtures and reseeding requirements. If the seeding is unsuccessful, LOMAX EXPLORATION may be responsible for subsequent seedings.

## 11. SURFACE OWNERSHIP--BUREAU OF LAND MANAGEMENT

## 12. OTHER ADDITIONAL INFORMATION

The Topography of the General Area—See Topographic Maps Exhibits "D-1" and "D-2"

The area is a large basin formed by the Uintah Mountains to the North and the Book Cliff Mountains to the South. The Green River is located approximately 16 miles to the South of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that are visible are of the Uintah formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the annual rainfall in the area is only 8".

Due to low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows. magpies, crows and jays.

The Topography of the Immediate Area-See Topographic Map "D-2"

Monument Butte Federal #10-34 is located approximately 2.0 miles North of Castle Peak Draw and 2 miles East of Wells Draw; non perennial drainages which run to the North East, and drain into the Green River.

The terrain in the vicinity of the location slopes from the northwest through the location site to the southeast at approximately 0.2% grade.

The vegetation in the immediate area surrounding the location site consists of sagebrush and grasses with large areas devoid of any vegetation.

There are no dwellings or facilities in the general area. There are no visible archeological, historical or cultural sites within any reasonable proximity of the proposed location site.

## Additional Surface Stipulations

The flare pit will be located a minimum of 30 feet from the reserve pit fence and 100 feet from the bore hole on the down-wind side south of the location between Points A and #4 (See Exhibit "A").

LOMAX EXPLORATION will also have an appropriate sign that will state:

- (a) The name of the operator
- (b) The Lease serial number
- (c) The Well name and number
- (d) The survey description of the Well (either footages or the quarter-quarter section, the section, township and range)

LOMAX EXPLORATION or a contractor employed by LOMAX EXPLORATION shall contact Ralph Brown or Tim Obrien of the B.L.M. between 24-48 hours prior to construction activities.

The B.L.M. offices will be notified upon site completion prior to moving on the drilling rig.

#### LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION 13.

### Representative

Name:

Brad Mecham

Address:

P.O. Box 1446

Roosevelt, Utah 84066

Phone No.:

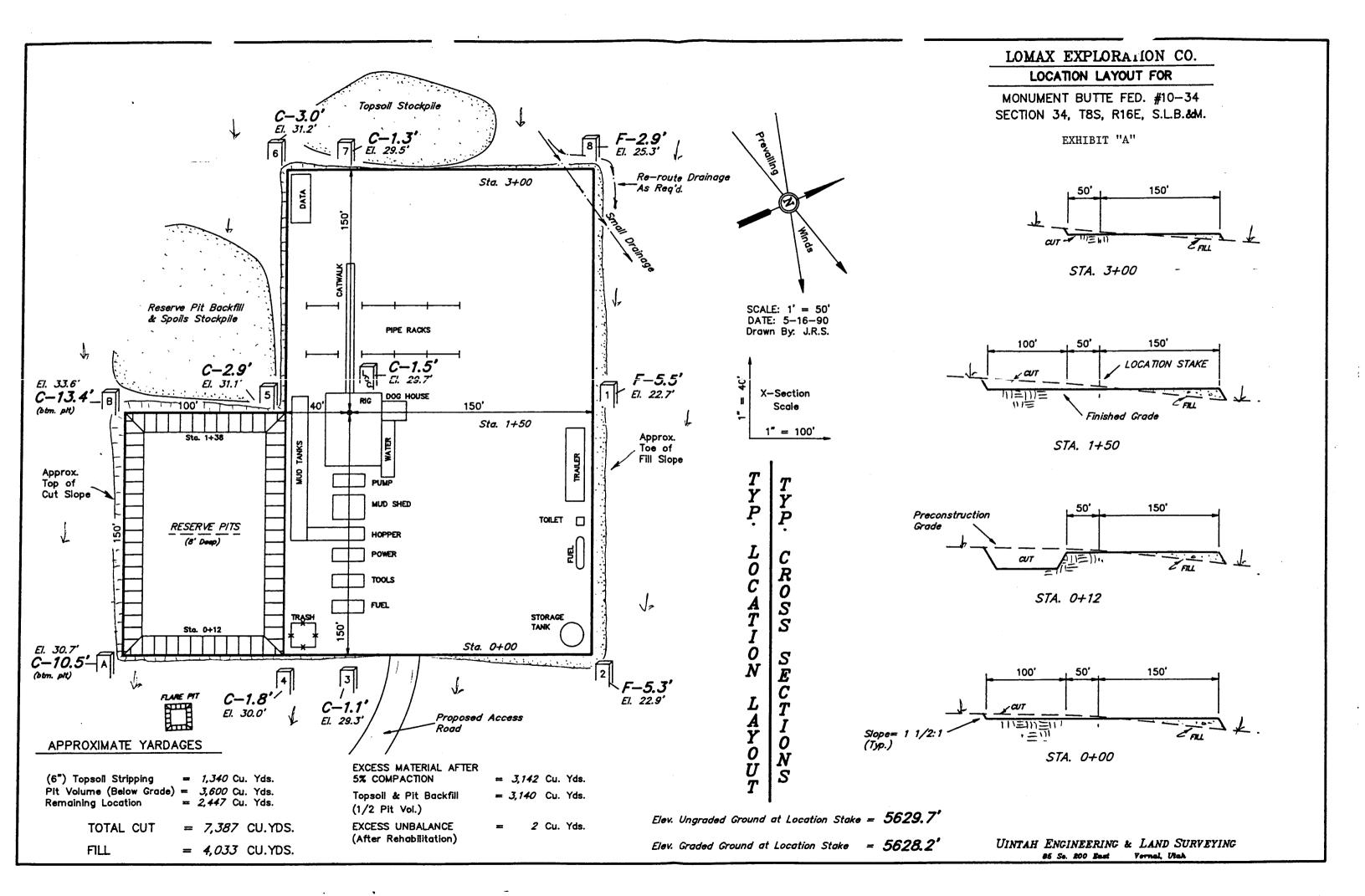
(801)722-5103

#### Certification

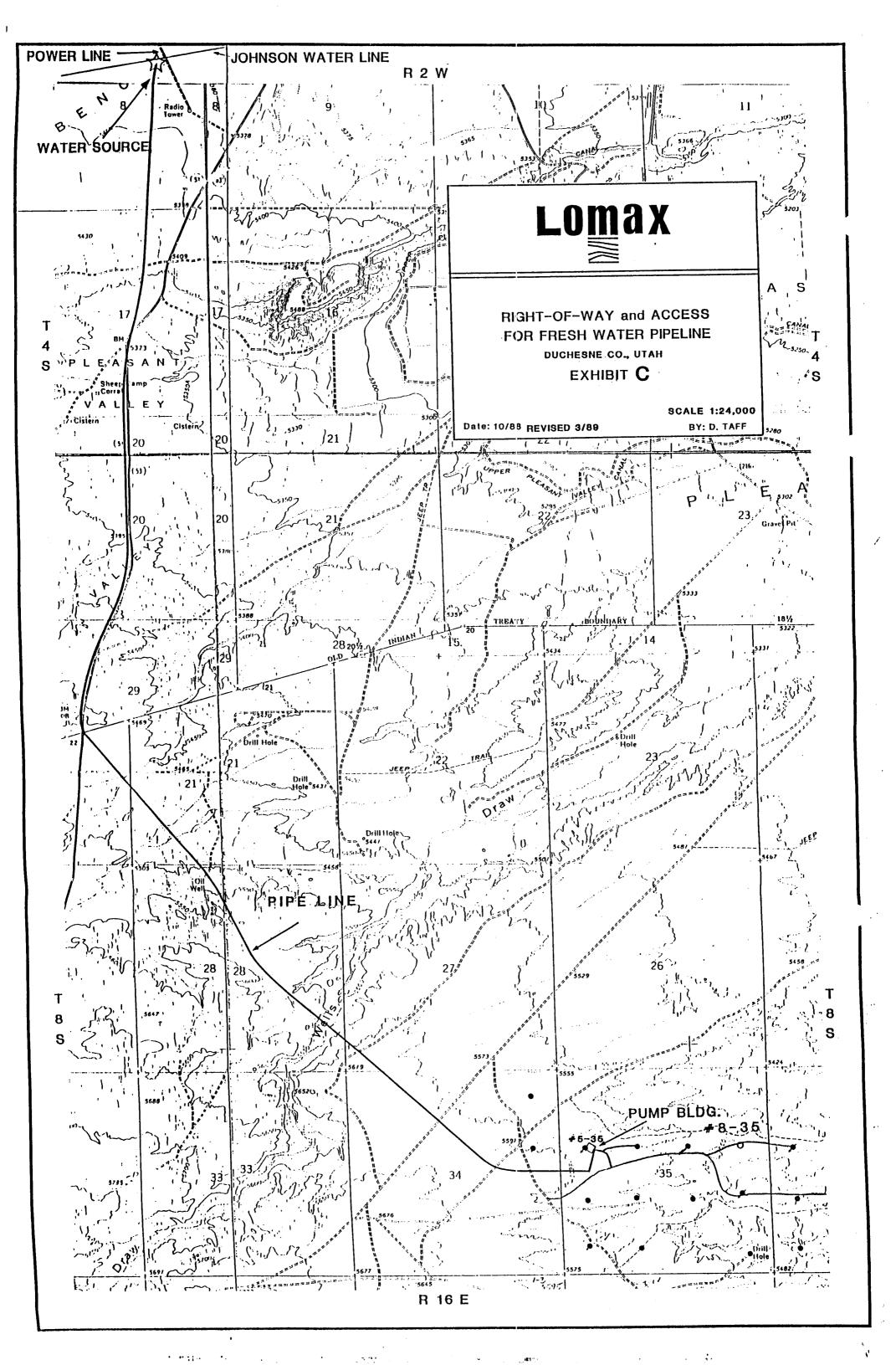
I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge. This statement is subject to the provisions of 18 U.S.C 1001 for the filing of a false statement.

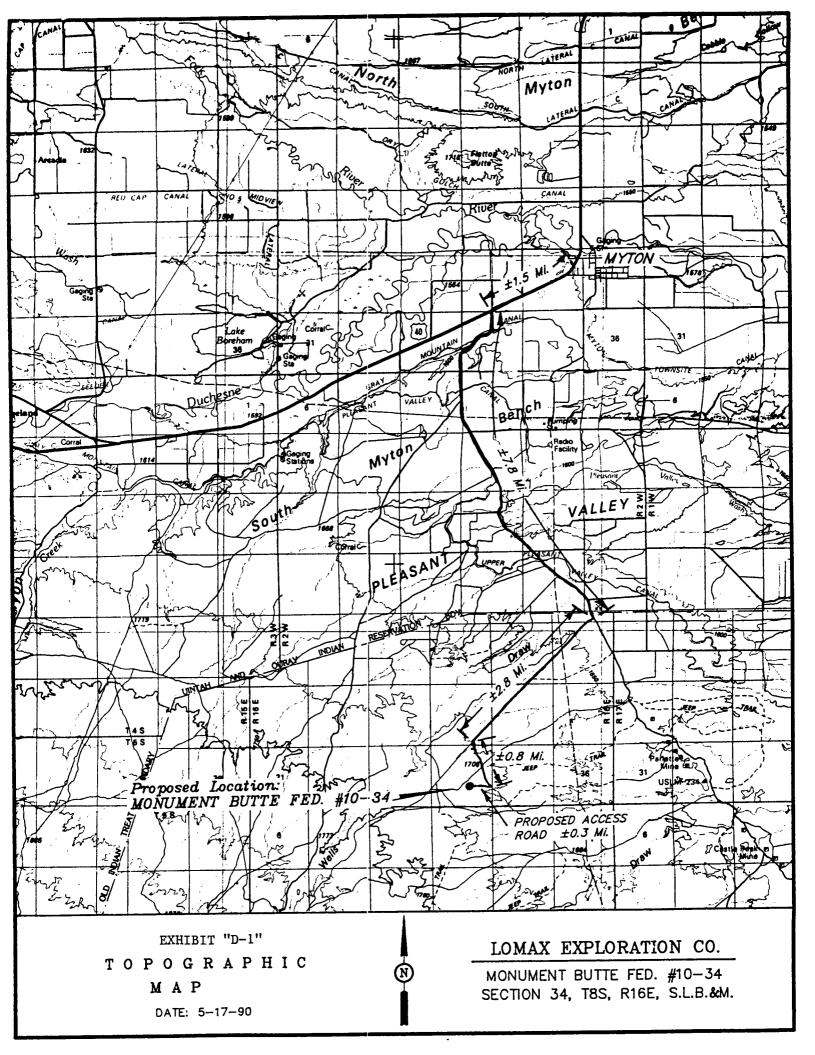
6-11-90 Date

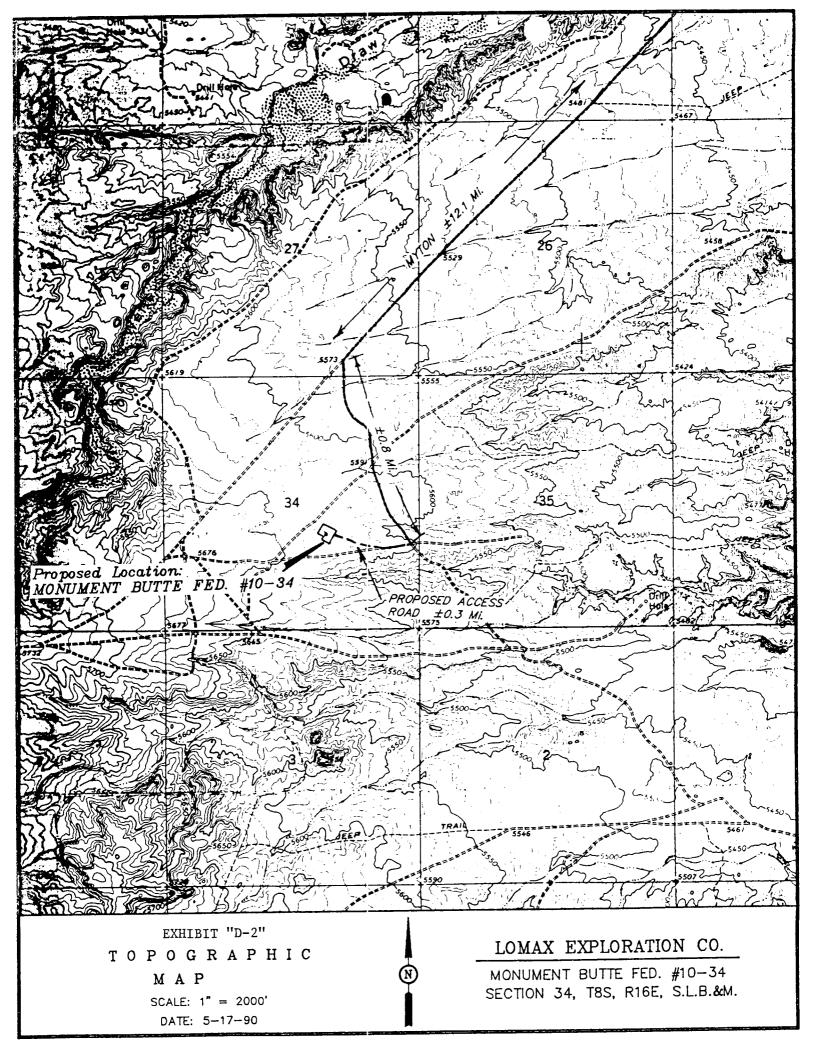
Regional Production Manager

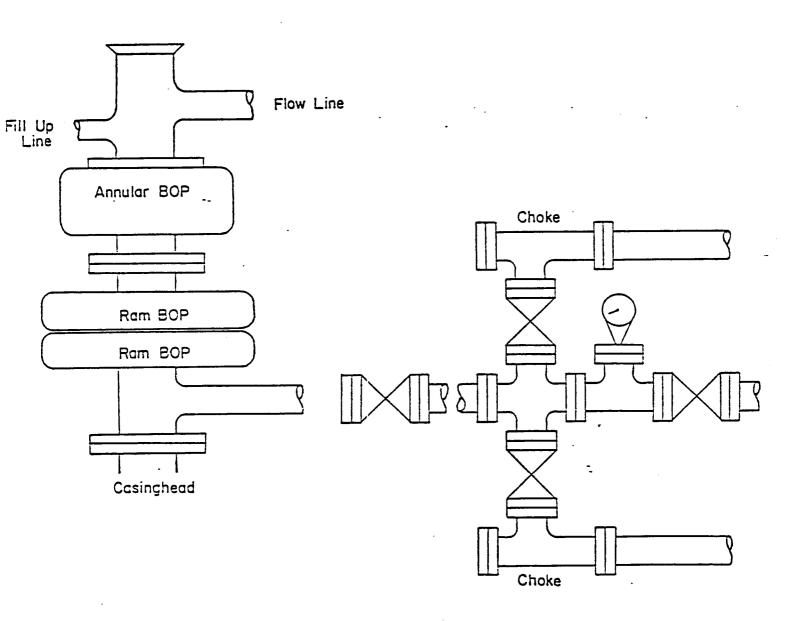


MONUMENT BUTTE FEDERAL #10-34 MYTON SW QUADRANGLE EXHIBIT "B" UTAH-DUCHESNE CO. MINUTE SERIES (TOPOGRAPHIC) 110 | 575000m.E | BM | 5508 Drill Hole 5431 Drill Hole









ALL EQUIPMENT 3000 PSI OR HIGHER WORKING PRESSURE

EXHIBIT "E"

			40	580		•	
OPERATOR	Jonay Ex	plorali	on Compo	rry DI	ATE 6	-18-90	-
WELL NAME			ual 10:31				_
SEC HUSE	34 T 85		-		Duch	un.	
43	-013-31079 API NUMBER		A	edual	OF LEASE		
CHECK OFF:							
	PLAT		BOND			NEAREST WELL	
	LEASE	•	FIELD SLB			POTASH O	
	comments: ument Butte u Pumit	P.O. D	App which	0.5	90 pu	Jusadhu	<u>o</u> mpion 
APPROVAL L	ETTER:						
SPACING:	R615-2-3	Mon	umint Butt	<u>l</u> _		R615-3-2	
		CAU	SE NO. & DAT	Ε		R615-3-3	
STIPULATIO	uds watu pi	init					
							<del></del>
				<u> </u>			
						<u> </u>	



Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 21, 1990

Lomax Exploration Company P. O. Box 1446 Roosevelt, Utah 84066

#### Gentlemen:

Re: Monument Federal 10-34 - NW SE 34, T. 8S, R. 16E - Duchesne County, Utah 1980' FSL, 1980' FEL

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule R6I5-2-3, Oil and Gas Conservation General Rules, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

- 1. Spudding notification within 24 hours after drilling operations commence.
- 2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
- 3. Submittal of the Report of Water Encountered During Drilling, Form 7.
- 4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (80I) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
- 5. Compliance with the requirements of Rule R6l5-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2 Lomax Exploration Company Monument Federal 10-34 June 21, 1990

- 6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (80I) 538-6121.
- 7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31279.

Sincerely,

Associate Director, Oil & Gas

tas

Enclosures

cc: Bureau of Land Management

J. L. Thompson

WE14/1-10

Form 3160-3 (November 1983) (formerly 9-331C)

## UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN TR\_\_CATE\*
(Other instructions on reverse side)

Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO. BUREAU OF LAND MANAGEMENT U-16535 6. IF INDIAN, ALLOTTER OR TRIBE NAME OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN, 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME PLUG BACK DRILL 🖾 DEEPEN [ Monument Butte (Green River I h. TYPE OF WELL MULTIPLE Zone WELL X S. FARM OR LEASE NAME WELL \_ OTRES 2. NAME OF OPERATOR Monument Federal 9. WELL NO. LOMAX EXPLORATION COMPANY #10-34 3. ADDRESS OF OPERATOR 10. FIBLD AND POOL, OR WILDCAT P.O. Box 1446, Roosevelt, Utah 84066 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) <u>Monument Butte</u> 11. SBC., T., R., M., OR BLE. AND SURVEY OR ARBA At proposed prod. sone 1980 FSL 1980 FEL NW/SE Section 34, T8S, R16E 43-013-212 79

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE® 12. COUNTY OR PARISE | 18. STATE NO. OF ACRES ASSIGNED TO THIS WELL Utah 14 miles south of Myton, Utah 16. NO. OF ACRES IN LEASE 15. DISTANCE FROM PROPOSED DISTANCE FROM FRONTABLE
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig, unit line, if any) 1980' 1280 18. DISTANCE FROM PROPOSED LOCATIONS
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LRASS, FT. 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 1320' 60001 Rotary 22. APPROX. DATE WORK WILL START\* 21. BLEVATIONS (Show whether DF, RT, GR, etc.) 5628.2 GR July, 1990 23. PROPOSED CASING AND CEMENTING PROGRAM WEIGHT PER POOT SETTING DEPTH QUANTITY OF CEMENT SIZE OF CASING SIZE OF HOLE 300' \* new -1/4" 8-5/8" To surface 24# 7-7/8" 5-1/2" new 17# As required 25 26 27 18 02 61 81 4 25 26 27 OIL AND GAS DE'N JF-B GLI SEP 04 1990 IVIS SLS **DIVISION OF** OIL. GAS & MINING MICROFILM FL E \* per Brad Mechan IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. TITLE Regional Prod. Manager (This space for Federal or State office use) APPROVAL DATE PERMIT NO. **Assistant district** DATE 8-31-90 MANAGER MINERALS APPROVED CONDITIONS OF APPROVA

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

\*See Instructions On Reverse Side

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company _	Lomax	Exploration	Comp	any		Well I	No	10-34
Location	NW/SE	Sec.	34	T8S	R1 6W	Lease	No.	U-16535

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report <u>ALL</u> water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

## 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc. and individual components shall be operable as designed.

The Vernal District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

## 3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

Usable water may be encountered from +290-593 ft. in the Uinta Formation. Saline water may be encountered from + 1658-1908 ft., +2733-3813 ft., +3913-4033 ft. and +4898-4943 ft. in the Green River Formation. The Mahogany oil shale and L1 oil shale have been identified from +3097-3163 ft. and +3269-3327 ft. respectively. Therefore, as a minimum, the resources will be isolated and/or protected via the cementing program for the production casing by having a cement top for the production casing at least 200 ft. above the oil shale. If usable and saline water are encountered, the usable water shall be isolated and/or protected from the saline water via the cementing program.

The District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

## 4. Mud Program and Circulating Medium

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

## 5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the Authorized Officer. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the Authorized Officer.

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) for the intermediate and production casing.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer (AO).

## 6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

<u>Immediate Report</u>: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of a District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil and Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Orders, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

## 7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in Onshore Oil and Gas Order No. 3 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the Onshore Oil and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later" than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hour approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka Petroleum Engineer (801) 781-1190

Ed Forsman Petroleum Engineer (801) 789-7077

FAX Phone Number is: 789-3634

Date NOS Received 5/25/90

# CONDITIONS OF APPROVAL FOR THE SURFACE USE PROGRAM OF THE APPLICATION FOR PERMIT TO DRILL

Company/Operator	Lomax	Exploration	Company	
Well Name & Number	er <u>Mon.</u>	Fed. #10-34		
Lease Number U-	16535			
Location NW 1/4	<u>SE</u> 1/4	Sec. <u>34</u>	T. 8 S.	R. 16 E.
Surface Ownership	BLN	1		

## B. THIRTEEN POINT SURFACE USE PROGRAM:

## 1. Methods for Handling Waste Disposal

The reserve pit (shall/shall not) be lined. To be determined by BLM and Lomax After construction.

## 2. Other Additional Information

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO).

Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization.

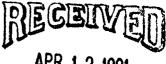
P.O. Box 1446 Roosevelt, Utah 84066 (801) 722-5103 FAX (801) 722-9149



April 9, 1991

Bureau of Land Management 170 South 500 East Vernal, Utah 84078 Attention: Ed Forsman

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
Attention: Don Jarvis



APR 1 2 1991

DIVISION OF OIL GAS & MINING

Monument Federal #10-34 NW/SE Sec 34, T8S, R16E Monument Butte (Green River "D") Unit Duchesne County, Utah

#### Gentlemen:

Please find enclosed the "Sundry Notices and Reports on Wells" for an extension of time on the APD approval for the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

Brad Mecham

Bra Medin

Regional Production Manager

/ln

Enclosure

Form 3160-5 UNITF STATE	SUBMIT IN TRIPLICATE.	Budget Buresu No. 1004-0135 Expires August 31, 1985  5. LEASE DESIGNATION AND SERIAL SO.
(November 1983) DEPARTMENT THE	INTERIOR verse side)	1 83688U6800
BUREAU OF LAND MANA SUNDRY NOTICES AND REP	OPTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REP (Do not use this form for proposals to drill or to deep Use "APPLICATION FOR PERMIT—"	en or plug back to a different reservoir.  ' for such proposals.)	7. UNIT AGREEMENT NAME Monument Butte
1.		(Green River "D") Unit
OIL X GAR OTHER  2. NAME OF OPERATOR		8. FARM OR LEASE NAME Monument Federal
LOMAX EXPLORATION COMPANY		9. WELL HO.
3. ADDRESS OF OPERATOR	266	#10-34
P.O. Box 1446, Roosevelt, Utah 844	ce with any State requirements.	Monument Butte
See also space 17 below.,		11. SEC., T., E., M., OR ELK. AND SURVEY OR ARMA
1980 FSL 1980 FEL NW/SE		Section 34, T8S, R16E
Sho	w whether DF, RT, GR, etc.)	12. COUNTY OR PARISH 13. STATE
14. PERMIT SO.		Duchesne Utah
	Indicate Nature of Notice, Report, or C	Other Data
16. Check Appropriate Box 10:	SUBSEQ	GENT REPORT OF:
The second of the second chaire	WATER SHUT-OFF	REPAIRING WELL
TEST WATER SHUT-OFF FRACTURE TREAT  MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING ABANDONMENT®
SHOOT OR ACIDIZE ABANDON®	SHOOTING OR ACIDIZING (Other)	
REPAIR WELL CHANGE PLANS	X (Nors: Report result Completion or Recomm	s of multiple completion on Weil pletion Report and Log form.)
(Other) Drilling Extension  17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state proposed work. If well is directionally drilled, give sulproposed work.	e all pertinent details, and give pertinent dates	s, including estimated date of starting and cal depths for all markers and zones perti-
Lomax Exploration Company still ha and hereby requests an extension o	of time on the APD approval.	
		RECEIVED  APR 1 2 1991
		DIVICION OF
		DIVISION OF OIL GAS & MINING
		ore and a milating
18. I hereby certify that the foregoing is true and correct	TITLE Regional Production Ma	anager <b>DATE</b> 4/9/91
SIGNED Brad Mecham		
(This space for Federal or State office use)	TITLE APP	ROVEDIBY THE STATE
CONDITIONS OF APPROVAL, IF ANY:	0	FUTAH DIVISION OF IL, GAS, AND MININA
	graphy and a second	4-17-9/
*Sec	e Instructions on Reverse Side	SPY Jatthew

# Division of Oil, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

	Well File Nonument Butte 10-34 [] Suspense [] Other  (Return Date)  (To-Initials)
(	(Location) Sec 34 Twp 85 Rng 16 E (To - Initials) (API No.) 43.013 - 31019
	Date of Phone Call: 8-31-90 Time: 10:00
	DOGM Employee (name) (Initiated Call II) Talked to:
	Name Marque (Initiated Call []) - Phone No. ()  of (Company/Organization) Juval - BPM
	Topic of Conversation: Status of well.
•	APD yourd 8-3190 VA little to follow.



## United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office 170 South 500 East Vernal, Utah 84078



Phone (801) 789-1362

Lomax Exploration Company

Attn: Brad Mecham

Roosevelt, UT 84066

P.O. Box 1446

FAX (801) 789-3634

3162.3-5 UT08438

SEP

3 19

SEP 0 8 1992

DIVISION OF OIL GAS & MINING

APIH 43-013-31279 Re:

Rescind Application for Permit to Drill Well No. 10-34 Section 34, T8S, R16E Duchesne County, Utah Lease No. U-16535

Dear Mr. Mecham:

The Application for Permit to Drill the above-referenced well was approved on August 31, 1990. A request for a one (1) year extension to the APD was submitted and approved. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice.

The new Application for Permit to Drill has been received and is currently being processed.

Sincerely,

IS HOWARD B. CLEAVINGER

Howard B. Cleavinger II Assistant District Manager for Minerals

cc: State Division of Oil, Gas & Mining

Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director
Dianne R. Sielson, Ph.D.
Division Director

September 16, 1992

Mr. Brad Mecham Lomax Exploration Company P.O. Box 1446 Roosevelt, Utah 84066

Dear Mr. Mecham:

Re: Well No. Monument Fed. 10-34, Sec. 34, T. 8S, R. 16E, Duchesne County, Utah API No. 43-013-31279

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don Staley

Administrative Manager

Oil and Gas

DME/ldc

cc: R.J. Firth

Bureau of Land Management - Vernal

Well file

**WOI196**